



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Delgado et al.

Serial Number: 10/539,423

Confirmation Number: 1101

Filed: June 20, 2005

Group Art Unit: 1626

For: 1-Alkyl-3-Aminoindazoles

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date:

January 24, 2006
Date

Jeannie Burke
Jeannie Burke

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97(b)(3)**

Commissioner for Patents
P. O. Box 1450
Alexandria VA 22313-1450

Sir:

Applicants submit the attached PTO Form 1449 and copies of twenty-nine (29) references prior to the mailing date of a first Office Action on the merits in the above-referenced application.

Because the PTO has waived the requirement under 37 CFR 1.98(a)(2) to submit copies of each cited U.S. patent and patent application publication in all U.S. national patent applications filed after June 30, 2003, none are enclosed. Only copies of cited foreign patent documents and non-patent literature are enclosed.

Applicants request that the references listed in the accompanying PTO Form 1449 be considered during prosecution of the above-referenced application, and that these references appear among the "References Cited" on any patent issuing herefrom.

Respectfully submitted,

ALCON

Date: 1/24/06

By:

Patrick M. Ryan
Patrick M. Ryan
Reg. No. 36,263

ADDRESS FOR CORRESPONDENCE:

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(817) 551-3066
Atty. Docket No. 2420

Form PTO-1449 U.S. Dept. of Commerce Patent & Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary) <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block; text-align: center;"> O I P E JAN 27 2006 <small>EXAMINER</small> </div>		ATTY. DOCKET NO. 2420	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> SERIAL NO. 10/539,423 </td> <td style="width: 50%; vertical-align: top;"> CONFIRMATION NO. 1101 </td> </tr> </table>		SERIAL NO. 10/539,423	CONFIRMATION NO. 1101	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,133,081	05/12/64	Lafferty et al.	260	310	
	AB	3,681,382	08/01/72	Gschwend	260	310	
	AC	3,725,431	04/03/73	Gschwend	260	310	
	AD	3,963,739	06/15/76	Steffen	260	310	
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AL	WO 98/30548	07/16/98	PCT			X
	AM	WO 02/098861	12/12/02	PCT			
	AN	WO 02/098862	12/12/02	PCT			
	AO						
	AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	Akazome et al., "Palladium Complex-Catalyzed Reductive N-Heterocyclization of Nitroarenes: Novel Synthesis of Indole and 2H-Indazole Derivatives," <i>J. Of Org. Chem.</i> , vol. 59, pp. 3375-3380 (1994)					
	AS	Al-Khamees et al., "Synthesis of (±)-(4aS, 13cR)- and (±)-(4aR, 13cR)-1,2,3,4,4a,13c-Hexahydro-5H-indazolol[2,3-d][1,4]benzodiazepin-6(7H)-ones," <i>J. Chem. Soc., Perkin Trans 1</i> , pp. 2001-2006 (1985)					
	AT	Altmann et al., "Arylaminoethyl Amides as Novel Non-Covalent Cathepsin K Inhibitors," <i>J. Med. Chem.</i> , Vol. 45, pp. 2352-2354 (2002)					

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FOREIGN PATENT DOCUMENTS								
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							YES	NO
	BL							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	BR	Applegate et al., "The Efficient Synthesis of 3-Arylsydnonees Under Neutral Conditions," <i>Synthesis</i> , pp. 1011-1012 (1988)						
	BS	Brown et al., "1,3,6-Trisubstituted Indoles as Peptidoleukotriene Antagonists: Benefits of a Second, Polar, Pyrrole Substituent," <i>J. Med. Chem.</i> , Vol. 35, pp. 2419-2439 (1992)						
	BT	Caron et al., "A Versatile and Efficient Synthesis of Substituted 1H-Indazoles," <i>Synthesis</i> , Vol. 4, pp. 588-592 (1999)						

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							YES	NO
	CL							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	CR	Fieser et al., "Nickel catalysts (a), Raney type," <i>Reagents for Organic Synthesis</i> , Vol. 1, pp. 723-731 (1967)						
	CS	Finch et al., "Rearrangement of 3-Amino-1-benzylindazole to 4-Amino-2-phenylquinazoline," <i>J. Org. Chem.</i> , Vol. 36(11), pp. 1463-1465 (1971)						
	CT	Fischer et al., "Ueber die Hydrazine der Aimmtsaure" <i>Justus Liebigs Annalen der Chemie</i> , Vol. 227, pp. 302-341 (1884)						

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							YES	NO
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	DP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	DR	Halley et al., "Synthesis of 5-Cyanoindazole and 1-Methyl and 1-Aryl-5-Cyanoindazoles," <i>Synthetic Communications</i> , Vol. 27(7), pp. 1199-1207 (1997)						
	DS	Kawakubo et al., "Studies on 3-Aminoindazoles. I. Synthesis of 1- or 3-(Substituted 3-Amino)indazoles," <i>Chem. Pharm. Bull.</i> , Vol. 35(6), pp. 2292-2299 (1987)						
	DT	Lark et al., "A Potent Small Molecule, Nonpeptide Inhibitor of Cathepsin K (SB 331750) Prevents Bone Matrix Resorption in the Ovariectomized Rat," <i>Bone</i> , Vol. 30(5), pp. 746-753 (2002)						

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	EL						
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	ER	Leung-Toung et al., "Thiol-Dependent Enzymes and Their Inhibitors: A Review," <i>Current Medicinal Chemistry</i> , Vol. 9, pp. 979-1002 (2002)					
	ES	McGeachin et al., "The Structures of Two Self-Condensation Products from o-Aminobenzaldehyde," <i>Canadian J. of Chemistry</i> , Vol. 4, pp. 2323-2328 (1966)					
	ET	March, <i>Advanced Organic Chemistry</i> , 4 th edition, John Wiley and Sons, New York, pp. 721-723 (1992).					

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							YES	NO
	FL							
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	FP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	FR	Matassa et al., "Evolution of a Series of Peptidoleukotriene Antagonists: Synthesis and Structure/Activity Relationships of 1,3,5-Substituted Indoles and Indazoles," <i>J. Med. Chem.</i> , Vol. 33, pp. 1781-1790 (1990)						
	FS	Parnell et al., "2-Cyano-4-nitrophenylpyridazine and 3-Amino-5-nitroindazole," <i>J. Chem., Soc.</i> , pp. 2363-2365 (1959)						
	FT	Patil et al., "A New Dimeric Dihydrochalcone and a New Prenylated Flavone from the Bud Covers of <i>Artocarpus altilis</i> : Potent Inhibitors of Cathepsin K," <i>J. Nat. Prod.</i> , Vol. 65, pp. 624-627 (2002)						

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	GL						
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	GR	Patil et al., "Haploscleridamine, a Novel Tryptamine-Derived Alkaloid from a Sponge of the Order Haplosclerida: An Inhibitor of Cathepsin K," <i>J. Nat. Prod.</i> , Vol. 65, pp. 628-629 (2002)					
	GS	Pontikis et al., "A New Route to 2'-C-methylene Nucleoside Analogs, Inhibitors of Ribonucleotide Reductase," <i>Tetrahedron Letters</i> , Vol. 36(20), pp. 3523-3526 (1995)					
	GT	Smith et al., "Discovery and Parallel Synthesis of a New Class of Cathepsin K Inhibitors," <i>Bioorganic & Medicinal Chemistry Letters</i> , Vol. 11, pp. 2951-2954 (2001)					

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	HR	Song et al., "A Novel Synthesis of 2-Aryl-2H-indazoles via a Palladium-Catalyzed Intramolecular Amination Reaction," <i>Organic Letters</i> , Vol. 2(4), pp. 519-521 (2000)						
	HS	Stroup et al., "Potent and Selective Inhibition of Human Cathepsin K Leads to Inhibition of Bone Resorption In Vivo in a Nonhuman Primate," <i>J. of Bone and Mineral Research</i> , Vol. 16(10), pp. 1739-1746 (2001)						
	HT	Suwinski et al., "The Mechanism of Elimination of Aldoxime Hydrogensulfates to Nitriles," <i>Polish J. of Chemistry</i> , Vol. 59, p. 521-529 (1985)						

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	IL							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	IR	Vivona et al., "Mononuclear Heterocyclic Rearrangements. Part 12 (I). Rearrangements of 1,2,4-Oxadiazoles into Indazoles," <i>J. of Heterocyclic Chemistry</i> , Vol. 16(1), pp. 783-784 (1979)						
	IS	Von Auwers et al., "Über Synthesen von N-Acyl-indzolen," <i>Justus Liebigs Annalen der Chemie</i> , Vol. 450, pp. 273-303 (1926)						
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